

MDARC #1 LARGE CLUB
OF THE YEAR PACIFIC
DIVISION ARRL 1982

the CARRIER.....

Published Monthly by the Mount Diablo Amateur Radio Club

MDARC FIELD DAY CALL W6CX 2M REPEATER W6CX/R 220 REPEATER W6CX/R MEMORIAL CALL SIGN W6LGW
Volume XXXI May 1983 Issue No. 5

CLUB CALENDAR

May 19 Simulated Emergency Test, Thursday
May 20 General Club meeting
May 22 Clayton Valley 10K Run
May 23 Board Meeting
June 25-26 FIELD DAY
June 4 Ride for Reaearch



Meeting Notice

This month's meeting will be held at
the Grace Presbyterian Church
2100 Tice Valley Blvd.,
Walnut Creek

Don't miss this meeting!
John Meyer from the Satellite Tracking Station at Camp Parks will have an interesting program for us.

Nets

"Ya all check in now ya hear!"
Tech Forum/Swap NET
Thursdays 7:30 P.M. 147.66/06
Emergency NET is 146.43 Simplex 7:P.M.
then QSY to 7.735 after roll call Thurs.
Parky NET
Every Night 3895 +/- QRM 10 P.M.
NTS/NCN 3630 KHZ 7 PM daily
slow speed session 8:30 P.M..
NCN/VHF 145.41 MHZ, WA6EUZ/R
CCRA NET Mon. 7:35 P.M. 147.735

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Executive Asst: Florence Lortsher Printer: Doug Lortsher, W6KLM

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BOARD MEMBER.....	KT6X	Dick Brown	4125 Sacramento St.,Concord 94521 676-9048
BOARD MEMBER.....	N6EEQ	Don Bertrand	3515 Honeysuckle Way, Con. 94518 685-3551

DEADLINE FOR THE NEXT ISSUE: Articles, Classified Ads, etc. by May 30, 1983

Next Board Meeting at: Thurman Casey Library 2661 Oak Grove Rd. W.C. May 23, 1983

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MDARC Board Meeting

QTH: Thurman Casey Library; Oak Grove and Ygnacio Valley Rd., Walnut Creek.
BOARD MEMBERS PRESENT: Bob KA6LSL, Joe KA6EBF, Carolyn KA6LSK, Larry W6CPO, Don N6EEQ, Hank W6ZHY, Dick KT6X.
Meeting was called to order at 8:07 PM by President Bob Dahl KA6LSL.
MMSP: to accept minutes with the following clarification: Donation to church is $250 with $50 of that amount to be donated by Repeater Group.
VP: Speakers are as follows:
May - John Meyer from Tracking Station, Camp Parks.
June - Field Day, Gus Gustafson N6DTU
July - Bill Nations speaking on Maritime Telecommunications
TREASURER: Club made $74 from the auction. Financial status proceeding according to budget.
SECRETARY: Letter read from Redwood Empire DX Association regarding their Redwood Empire Award.
CARRIER:Letter was read from Doug Smith WA6GON, Editor, detailing the status of the newsletter. Copies of letter will be given to Board members and Appropriate Committee Chairmen.
PUBLIC SERVICE: Letter was read from Joe WA6DQN, outlining up coming events and amount of operators needed.
SOCIAL: Next upcoming event is the Picnic which will be held in July.
EC: SET tomorrow at Kaiser Hospital
VIP: Larry Kaye W6CPO talked about Calif. Division of Forestry's VIP (Volunteers in Prevention) Program. To set up meeting soon. CDF to have patrols over July 4th Holiday.
FIELD DAY: Still need generators, also slip up masts.
RRRG: Update on repeaters:
220 - 1. Hardline coax to be run to top antenna.
2. Duplexer to be bought
3. Phone patch codes to be changed.
2 Meter - Had a problem with interference with Consolidated Fire and PG&E. Problem is being worked on.
CCRC: Dick Brown KT6X discussed the meeting in Mt. View about No Code.

Meeting adjourned at 10:15 PM.
Respectively submitted
Carolyn KA6LSK
Secretary

Opportunity merely knocks-temptation kicks the door in.

The President's Corner....



Well, the auction is over and the major portion of our spring Public Services events are behind us. I would like to take this opportunity to thank the members of this Club who have given so tirelessly of their time and energies in assisting with our public service work. I also would like to thank the members that volunteered to help with the auction. And with that, let's turn our attention ahead to Field Day 1983.

We need more volunteers for operators and we need a couple more Band Captains. Please contact Guy Gustafson, N6DTU if you can assist in any way. I'm looking forward to a very enjoyable weekend on top of Mt. Diablo working with members of the Club.

For those of you who couldn't come with for the Club's Tour of the Wine Country or can't be with us for Field Day for whatever reason, mark your calendars accordingly and plan on being with us for the Club's Annual Picnic in July at Joe Simpson's place in Danville.

73's
Bob, KA6LSL

Silent Key

N6EYX

DENNY DENNISON

APRIL 1983

Meeting

CHANGE

Change of QTH for April Board meeting

Thurman Casey Library
2661 Oak Grove Rd. and Ygnacia Valley Rd.
Walnut Creek

Public Service

Sunday, April 10, brought out seven MDARC members to furnish communications for the American Cancer Society's "Run for Daylight" in Alamo. Bert KA6AEV, Joe KD6DY, Frank N6GQ, Jim KA6IVF, Betty Lou KB6UX, Dick KT6X, and Joe WA6DQN were on hand ahead of the runners and watched the race from their respective check points. There were no mishaps to report; the winner came in in just over 31 minutes over the 10 kilometer course. Louis, WA6OCZ provided liaison with the Sherrif's Emergency Rescue Units along the course.

MDARC also provided communications for the following events in April and early May:
Saturday, April 16. Mount Diablo Trail Ride. Dave Greenhill, WA6OFI coordinator. Handling traffic were the following Hams: WA6QAZ Warren Sturgeon, W6UAW Bob Cook, W6PFW Ted Durst, WA6MWU Chuck Welch, KA6DPW Doug Lortsher Jr, WA6DKG George Kirkman, WA6AWG Paul Hoisington, and W6LKE Dwayne.
Sunday April 24. March of Dimes P. Hill Larry Kaye, W6CPO coordinator.
Sunday May 1. Devil Mountain Run. Danville Dick Brown, KT6X coordinator.
Saturday May 7. The Human Race,, sponsored by the Contra Costa County Volunteers Assc. a 10 km run around Lafayette Reservoir.
Sunday May 8. Diablo Heritage Endurance Trail Ride. Dave Greenhill WA6OFI coordinator

COMING EVENTS

Sunday May 22. Clayton Valley 10 KM run. Ygnacio Valley & Clayton road, Concord, to Mitchell Canyon Park and return. Six operators needed 0830 to noon or before.
Saturday June 4. Ride for Research (Danville Junior Horsemen) Danville to Mt. Diablo, all day from 0700 to 1700.

Renewing

Renew or start your ARRL Membership through the Club. We earn $2 for each and it costs you no more. Prompt mailing to ARRL.
Larry Kaye, W6CPO

"CI" IS A SPECIAL PREFIX approved by the Department of Communications for use by Canadian Amateurs in celebration of the World Communications Year. The special prefix will be valid between May 17th and July 17th, 1983. Tnx all above the VE2FRA DX Report.

M D A R C General Meeting

Business meeting was called to order at 8 PM by President Bob Dahl, KA6LSL. Due to the auction the major portion of business was tabled to the board meeting Monday night.

MMSP to accept the minutes as written.

TREASURER: Checking account has $2090.

Membership was reminded of change of Board meeting QTH.

PUBLIC SERVICE: Need operators for upcoming events.

WALNUT FESTIVAL: To run 4 days only in Sept. instead of 10 days as previously reported.

Meeting adjourned at 8:09 PM and microphone turned over to Peter KO6R our auctioneer for the evening.

Respectively submitted
Carolyn Dahl KA6LSK
Secretary

SOCIAL ACTIVITY

PARKY NET

Thursday morning 21 April a few Hams and their XYL's who regularly check in on the Parky NET met for breakfast and a gabfest at the Buttercup Pantry on Monument Blvd. in Concord.

Early birds present were four San Joaquin Valley hams: Glen, WB6LSC and Cliff, WA6EWR from Sonora; Mel, WA6OYP from Modesto; and Bill, W6AFS from Tracy.

Can't forget to mention the locals who made short work of their flapjacks: Charlie, K6IGJ and XYL Hazel; Dick, KA6ECK, Bob and Fran, W6GZC; Helen, WB6YWC; Tom and Bee, KD6VA; Don, N6EEQ; Parky and Lee, K6IMV; Peter, KO6R; Val and Verna, KD6KV.

Tnks Val KD6KV

On April 9, a small but friendly group made their way north for the MDARC's Caravan to the Wine Country. The weather obliged us by not raining. We toured four wineries and had a picnic lunch at the picnic grounds at the Sattui Winery. A great time was had by all.

Our next social event will be the annual Picnic which will be held on July 10, Sunday afternoon. The QTH will again be Joe Simpsons Ranch KA6EBF, in Danville. More information upcoming in June CARRIER. MARK YOUR CALENDARS NOW.

Carolyn KA6LSK
Social Chairperson

Westlink Report

U.S. SENATOR BARRY M. GOLDWATER, K7UGA (R-ARIZ), has made known his displeasure to the Commissioners regarding a recent FCC Review Board decision. At a formal meeting of his Senate Communications Subcommittee on Commerce, Science and Transportation, the Senator questioned the members of the Commission on what they were specifically doing in regard to the Review Board decision that reinstated the license of a California Ham who had lost it after an Administrative Law Judge ruled that the language he used was "indecent" and therefore a violation of FCC Regulations Part 97.119 and 18 USC 1464. It is reported that Senator Goldwater made it clear to the assembled Commissioners, including Chairman Mark Fowler, that the Review Board decission was definately not in the best interests of the U.S. Amateur Service. The Senator did not mention the Amateur by name, but only one such decision has been handed down in the Amateur Service and involves David Hilderbrand, N6BHU. of Los Angeles. Six weeks ago, the Review Board reinstated Hilderbrand's Technician Class license after ruling that conclusions reached in a similar case involving Pacifica Broadcasting could not be applied to the Amateur Service, and on Constitutional grounds under the 1st Amendment, they could not legally term Hilderbrand's language as falling under the criteria of "obscene, indecent or profane." The Westlink Report applauds Senator Goldwater's stand with the Commission; we feel that no one person's claim to a "right" gives him priority over everyone else's.

THE C.B.BANDITS are coming out of the woodwork to comment on "No Code." Westlink has received copies of a number of formal responses filed with the FCC from "clandestine 10 ½ meter pseudo-C.B. groups" all which favor a No Code Technician Class license, but with "Worldwide high frequency operating privileges" included.

THE ARRL APPEARS TO BE "STICKING TO ITS GUNS" regarding the No Code issue. The latest edition of its public relations publication Amateuradio contains a well-written item discussing the reasons why most Hams oppose No Code. The article emphasizes the idea that the Morse code proficiency test is a "price to be paid for admission" to our hobby/service and that it is one test that can't be passed by a memorizing book. Tnx The DX Bulletin.

RADIO NETHERLANDS IS COMING TO THE AMATEUR BANDS. The station, located in Hilversum, Holland, is sponsoring a Special Events Amateur station which will operate the 30th of April in celebration of the official State Birthday of the Dutch Queen. Radio Netherlands staff members will be manning 4 Amateur stations on (or near) 21.400, 14.240, 7.055 and 3.79 MHz. Besides running a 2 meter F.M. station for local contacts. The Special Event stations will operate under the callsign PA6PCJ, and a special commemorative QSL card will be available. The Radio Netherlands' program "Listener Feedback" will feature live reports from the Amateur operation, plus a discussion of Amateur Radio's participation in the World Communication Year celebration. Tnx G8WGN, Dutch World Broadcasting.

FCC ACTION TO EXTEND THE TERM of Amateur licenses to 10 years is expected by the end of March, while expansion of 20 meter radiotelephone operating privileges is believed to be on the agenda for early April. Concerning phone expansion, the FCC has its own plan of placing General Class operation in the new, lower spectrum. The ARRL, on the other hand, favors a proposal that would simply move higher class licensees down into the new sub-band while expanding phone spectrum to all classes of operators (General or higher). Most foreign Amateurs openly oppose any expansion of the U.S. phone allocations on 20 meters, or any H.F. band.

AMATEUR RADIO HAS WON AN IMPORTANT VICTORY over Cable Television in the Chicago area. Several C.A.T.V. companies have agreed to refrain from using cable channels E and K in that area, rather than having to face the prospect of cleaning up leakage problems to and from the Amateur Radio Service. Tnx W9JUV

ENFORCEMENT OF C.B. RULES is not going to end, even though the service is in the process of being delicensed. An F.C.C. Review Board has revoked the C.B. license of Theodore E. Sousa, KEV-6939, for numerous violations of Part 95 rules. Penalties in future rules violations cases could become even stiffer since license revocation will no longer be a deterrent to regulatory violations, making fines or imprisonment likely in severe cases.

WESTLINK cont'd

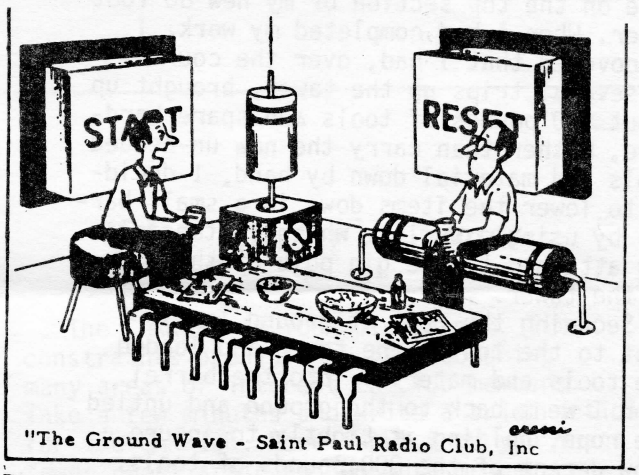
"ASTRO-SEARCH" IS A NEW BI-MONTHLY magazine dedicated to the technical side of man's search for extra-terrestrial life. Actually, it is a merger of 2 publications: Cosmic Search and CQ-ET. Articles in the premiere edition include a review of the first 50 years in radio astronomy ,a report on the American SETI program across North America and much more. The price is $12 to: Astro Search, P.O. Box 3294, Saratoga, CA 95070.

A PROBLEM HAS DEVELOPED WITH THE UOSAT (OSCAR 9) satellite. During the deployment of the 50 foot magnetometer arm, the package jammed after being extended only three feet. Controllers at the AMSAT-UK/University of Surrey are attempting to solve the problem through ground command.

EXPANSION OF THE 20 METER PHONE SUBBAND WAS APPROVED by the FCC at the March 31st meeting of the Commissioners. The new "bottom edge" of the phone segment is 14.150 MHZ, with an exclusive Extra Class slot from 14.150 to 14.175 MHz. Advanced Class Amateurs may now operate as low as 14.175 MHz, while the General portion now starts at 14.225 MHz Expansion of H.F. phone allocations on other bands was put off by the Commission and will be considered in a "further Notice of Proposed Rule Making on PR Docket 82-83." An exact date for implementation of the new 20 meter radiotelephone privileges is not known at presstime, but it should be near the end of April or in early May. This action came as a First Report and Order on PR Docket 82-83.
(Story by Joe Schroeder, W9JUV)

Carrier Classifieds

Moving to an apartment, can't stay on the lowbands. Must sell my YASEU FT101E matching "Landliner" speaker and phone patch, D104 mic.
Entire package $600.00. Excellent condition. Call
Guy Gustafson 686-3853



"The Ground Wave - Saint Paul Radio Club, Inc

"Making my own furniture helps me get away from ham radio for a while."
(Tnx I.A.A.H News)

Current U.S.A. Third-Party Traffic Agreements List:

Have you been asked to pass on a message or make a phone patch? Remember that such third party traffic via amateur radio is illegal with many countries. The following is the list of countries with which special agreements have been made to allow such traffic.

Argentina	El Salvador	Liberia
Bolivia	The Gambia	Mexico
Brazil	Ghana	Nicaragua
Canada	Guatemala	Panama
Chile	Guyana	Paraguay
Colombia	Haiti	Peru
Costa Rica	Honduras	Switzerland*(4U1ITU)
Cuba	Israel	Trinidad & Tobago
Dominican Republic	Jamaica	Uruguay
Ecuador	Jordan	Venezuela

* Only with the station listed in Geneva.
Thanks, LERC, Lockheed Employers A.R.C.

SAFETY FIRST

Since Spring is just around the corner I feel that the subject of safety should be addressed. One area of the hobby can be rather dangerous if proper and careful planning has not been accomplished, I'm speaking of antenna installations. Let me relay this story of a fellow amateur who did not think ahead. This gentleman is sitting at his desk answering a letter from his insurance company. " I am writing in response to your request for additional information for block number three of the accident reporting form. I put "poor planning" as the cause of my accident. You said in your letter that I should explain more fully and I trust the following detail will be sufficient.

I am an Amateur radio operator and on the day of the accident, I was working alone on the top section of my new 80 foot tower. When I had completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware, Rather than carry the now un-needed tools and material down by hand, I decided to lower the items down in a small barrel by using a pulley, which fortunately was attached to the gin pole at the top of the tower.

Securing the rope at ground level, I went to the top of the tower and loaded the tools and material into the barrel. Then I went back to the ground and untied the rope, holding it tightly to insure a slow decent of the 300 pounds of tools. You will note in block number eleven of the accident reporting form, that I weigh only 155 pounds.

Due to my surprise of being jerked off the ground so suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate of speed up the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming down. This explains my fractured skull and broken collarbone. Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley.

Fortunately, by this time, I had regained my presence of mind and was able to hold onto the rope in-spite-of my pain. At approximately the same time, however, the barrel of tools hit the ground and the bottom fell out of the barrel. Devoid of he weight of the tools, the barrel now weighed approximately 20 pounds. I refer you again to my weight in block number eleven. As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40 foot level, I met the barrel coming up. This accounts for the two fractured ankles and the lacerations of my legs and lower body.

The encounter with the barrel slowed me enough to lessen my injuries when I fell onto the pile of tools and fortunately, that as I lay there on the tools, in pain, unable to stand and watching the empty barrel 80 feet above me...I again lost my preence of mind. I let go of the rope."

Original author unknown.

Courtesy Scott - WB6PQM

What does a millionaire's wife make for dinner. A reservation.

FIELD DAY

Field Day preparations are under way.

Field Day 1983 will take place on Mt. Diablo the last weekend in June on the 25thand 26th The time of operation is 1800 UTC.

So far it appears that we have a five alpha status. We are still Four Band Captains short. Anyone wishing to volunteer themselves or someone else may contact me Guy Gustafson N6DTU at 686-3853, or Bob Dahl KA6LSL at 846-9458.

We are also looking forward to having other drop in operators come up and participate in the activities. Anytime that you can donate will show your support for our Club and help maintain our #1 status.

Field Day Band Captains who have already been chosen will be contacted by phone for the date of the May preperation meeting.

At the June Club meeting I will be the guest speaker. The topic of discussion will of course be "The operation of Field Day" Bring your questions and suggestions.

COME AND JOIN US ON THE MOUNTAIN!
GOOD FOOD AND LOT OF FUN
Guy N6DTU
Field Day Chairman

TRAIL RIDE

April 19, 1983

MT. DIABLO TRAIL RIDE

Every year since 1941 The Concord - Mt. Diablo Trail Ride Association has conducted at least one competitive Trail Ride on Mt. Diablo each year, many years with the help of Amateur Radio Operators. For most of those years The Mt. Diablo Amateur Club has supplied the equipment and operators for the operation and safety of these rides.

This year 8 members assisted the Ride, operating from 4-wheel and 2-wheel drive vehicles on Mt. Diablo with a Control Operator at the C.M.D.T.R.A. Clubhouse off Marsh Creek Road near Clayton. These "Hams" were:

CONTROL OPERATOR: Ted Durst W6PFW

OPERATORS IN VEHICLES:

Dave Greenhill	WA6OFI
Chuck Welch	WA6MWU
Warren Sturgeon	WA6QAZ
Bob Cook	W6UAW
Doug Lortsher, Jr.	KA6DPW
George Kirkman	WA6DKG
Paul Hoisington	WA6AWG

The Ride started at 7 a.m. on Saturday, April 16 and the vehicles climbed the mountain by various routes, some on pavement and others on Fire Roads. As a bicycle race was also being held on the paved road to the summit that morning, the trail ride vehicles had to avoid the main roads between 9:00 a.m. and 10:30 a.m. The radiomen helped coordinate the ride for the ride personnel and provided safety communications for the riders and horses.

Horses were checked by veterinarians at various points along the trail and other judges kept their eyes on the riders. The only mishap was the 4-wheel truck with WA6QAZ got stuck in a mudhole for a couple of hours and had to be rescued by W6UAW. Fortunately all riders and horses made the 20 and 30 mile rides safely and all returned to the C.M.D.T.R.A. Club by 4:30 p.m.

Everyone was tired and dirty by that time, but everyone had a great time.

M.D.A.R.C. communications was through W6CX-2 meter and 220 MHZ repeaters, except that some QSO's were Simplex when the terrain would not allow operators to reach a repeater.

This is a real test of operator skills and the operators of M.D.A.R.C. proved their outstanding abilities. Congratulations to you all.

Bob Cook - W6UAW

The Editor's Space

The CARRIER is YOUR Club paper. Time constraints prohibit me from covering many areas of interest to Club members. Take a few minutes and write a brief article for the CARRIER. More input from you means fewer guest articles and more member contributions. Here's some ideas:

(1) Equipment reviews: something you own and have experience with.
(2) Yourself and a picture of your station.
(3) Other radio Clubs you belong to.
(4) Humor
(5) Cartoons
(6) Editorialize
(7) The part of ham radio that interests you most.
(8) SWL'ing
(9) Recipes!
(10) Number games
(11) Vacation experience/DX-peditioning
(12) Hints & Kinks, building projects
(13) Computers
(14) RTTY
(15) Ham history-the good old days.
(16) The present.
(17) Club activities

and many more

73 Ed

maritime disaster averted

by Douglas M. Smith
WA6GON

On Friday afternoon 15 April 1983 at 2103-Z (1:03 PM PST) Amateur Radio played yet another vital role in a maritime emegency. This was the day Good Intention was lost and the day Amateur Radio helped bring her home.

WA6GON was listening in on the Maritime Mobile Net on 14.313 Mhz at 2103-Z. Very few stations on the Net had strong signals, since at the time (according to WWV), the HF bands were experiencing a severe inospheric disturbance. A weak, fading four-by-three signal was heard, "Break break break -priority traffic!" Net Control did not hear this station as evidenced by the station's successive attempts to attract attention. WA6GON hearing no response to the urgent call and unable to raise Net Control himself, called the breaker directly and established contact.

The distant voice was that of Archie Kelley, KD6PH/MM2, the "Ham Hero" of this event. Archie was aboard his sailing vessel the Shary Lee just off the coast of Mexico near Turtle Bay. Archie began relaying the plight of the thirty-three foot, white hulled Yorktown sloop, the Good Intention.

Archie said he had joined a marine search for the vessel Good Intention that two other vessels had inititiated sixteen hours prior to his arrival. None of the searchers had been able to contact shore stations for assistance on marine radio circuits; therefore, WA6GON was requested to contact the nearest Coast Guard Search and Rescue headquarters.

Archie advised that the Good Intention had established VHF marine radio contact with another vessel, the Timberwolf at 0530-Z 15 April. Good Intention reported she had lost her mast in a thirty-five knot wind; further, that she had rigged a makeshift sail since she had no auxillary engine. Good Intention and Timberwolf arranged a rendevous so that Timberwolf could tow Good Intention into Turtle Bay. Her two male passengers both in their fiftys were not injured. Good Intention proceeded downwind at 0530-Z from her last reported position of 115° 5' West, 27° 40' North, five miles off Rompiente Point. Winds at the time were thirty to thirty-five knots at 300° magnetic and her course was 150° magnetic.

The Timberwolf later arrived at the rendevous point near Turtle Bay but the Good Intention never arrived. Good Intention had reported that her battery was becoming weak and evidently lost the use of her marine VHF radio as Timberwolf was not able to reestablish radio contact. Timberwolf began a systematic search along with another vessel that had volunteered to assist, the vessel Darkstar. Timberwols's fear was that the Good Intention had been swept into open sea unable to navigate.

Timberwolf and Darkstar searched up and down the coastline all evening and early into the next morning when at 1535-Z the Shary Lee with KD6PH/MM2 onboard arrived in the Turtle Bay area. Timberwolf relayed to Archie the plight of the Good Intention and Archie in turn to WA6GON in Concord, CA.

Over a period of about four hours from 2103-Z, WA6GON periodically relayed pertinent information to and from Lt. De Young at Coast Guard Search and Rescue Headquarters in Long Beach, CA., by telephone.

Archie not only provided the Coast Guard with the first notice of this missing vessel, but was able to plot a course for the drifting Good Intention based on his knowledge of local currents and winds. KD6PH/MM2 also took it upon himself to dock at Turtle Bay and notify Mexican authorities there. The Militia at Turtle Bay in turn began a notification to all local vessels to be on the lookout for the crippled sloop. No search and rescue service was available at Turtle Bay so it was up to boat captains to keep a watchful eye.

The Coast Guard was considering the dispatch of a C-130 aircraft from Sacramento, CA., to conduct an air search for the Good Intention the next morning if their inquiries through other official channels proved unfruitful. An urgent notice to mariners was immediately broadcast by Coast Guard radio based on the information Archie was able to provide.

After about 0100-Z Archie and WA6GON had really done all they could. The Coast Guard had obtained from Archie as much information as they needed and all appropriate authorities had been notified. Archie tied up at Turtle Bay to make repairs and spend the night. GON went to work one hour late. All that could be done now was to wait.

Cont'd on next page

Good Intention Cont'd

At 1711-Z (9:11 AM PST) Saturday, WA6GON received a welcome phone call from Lt. De Young who said he had received a late night telephone call from a Florida Amateur, Dr. Ernest Lavine, (call sign not available) who said the Good Intention had been found and towed to safety at Turtle Bay. This information was verified for Lt. De Young a few hours later by his Amateur Radio contact in Sherman Oaks, Southern, CA. K6IKI, through the Manana NET (meets 1900-Z 14.340 Mhz, Monday through Saturday). A happy ending to what could have been a very sad story.

Amateurs participating in the effort to save the Good Intention as recorded At WA6GON were: KD6PH/MM2 from Coronado, CA.; K6IMV, Pleasant Hill (big-gun relay and moral support for GON); W4EZI, Tampa, FL. (relay); K6IKI, Sherman Oaks, CA.;and WA6GON Concord, CA A round of applause also goes to the patient stations who were listening on the NET frequency during the time critical traffic was being passed.

At this writing it is unknown if the Good Intention was located as a direct result of Amateur Radio participation; however, the efforts of all Amateurs involved did not go unnoticed by the Coast Guard. Lt. De Young passed on, "Job well done!" That's all that really matters.

Deadline Announcement

DEADLINES

For your convenience, CARRIER article deadlines through Dec. 1983 are the following: (flexible)

May 28
June 25
July 29
August 27
September 28
October 28
November 25
December 28

A FULL TIME C.W. PRACTICE station now operates on 28.888 MHz from North Hollywood, CA. Signing W6IRT, the rig runs 5 watts and transmits at 13 w.p.m. Tnx W6IRT.

Ham Radio Outlet

2811 Telegraph Ave.
Oakland, CA 94609
(415) 451-5757
999 Howard Ave.
Burlingame, CA 94010
(415) 342-5757
Hours: 10 AM to 5:30 PM Monday—Saturday

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KENWOOD TS-830S
KENWOOD TS-530S
KENWOOD TS-430S
KENWOOD TS-930S

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ON SALE $49.95

KENWOOD SPECIALS!

TR-2500...$299.95
TR-3500...$299.95
THE TWO ABOVE COME WITH FREE PB-25H 490 MAH BATTERY PACK!

TR-9130...$474.95
TR-7950...$359.95

ICOM SPECIALS!

IC-730....$639.95
IC-R70....$639.95

IC-740 with FREE EX-238 INTERNAL POWER SUPPLY....$949.95

AND A $50 REBATE DIRECTLY FROM ICOM (EXPIRES JULY 31, 1983)

OUR ONLY BUSINESS IS HAM RADIO!

HAM RADIO OUTLET STORES
HAVE THE LARGEST
AMATEUR RADIO INVENTORY
IN NORTHERN CALIFORNIA

RACES/ARES

On April 19, a Tuesday, Kaiser Hospital, Walnut Creek conducted their annual "Accreditation Test". Part of this test involved a simulated emergency, an aircraft accident north of the airport on Highway 680 (Pacheco) and this involved a bus carrying children. Many accident victims were brought to the Kaiser W.C. Hospital where the MDARC Emergency Communications Team was ably represented by Frank, N6GQ. Using the outside antenna there Frank was able to contact John Muir Hospital where Joe, KD6DY supplied excellent service using the outside antenna installed there. Other member stations supporting this SET were WD6GDG, Clay at Rossmoor, Miles, W6QEN in Concord and Hank, W6ZHY from the home QTH in Walnut Creek. Both simplez and repeater contact was made by all involved with good clear copy on 2 meter FM.

A Flying Amateur Television Operation was conducted on Sunday, April 17. The base of operations was the Civil Air Patrol area on the west side of Buchanan Field. Equipment was provided by Don, N6NKF and Russ, KA6BPN. The CAP aircraft was a Cessna 172 piloted by Capt. Gerold McKeegan of the CAP. The flight covered Benicia, Exxon Oil Refinery and clear up into the Delta area. Color pictures were received with fair clarity but quite useful. Joe, KD6DY was able to see the pics from his home QTH.

This was a very useful test and proved that it really can be done. Now for the full show.....sometime in May. Check in on Thursday nites and learn where and when.

Our next Simulated Emergency Test (SET) will be on May 19. This will be a BIG ONE! The entire county of Contra Costa could be involved and it will be controlled and coordinated by the county Office of Emergency Services. Let's get involved and see what we can do with that Ham Gear. If you are not presently assigned to a definite site for emergency , contact Jim KA6IVF, our MDARC Emergency Coordinator.

There will be a ARES/RACES Training Seminar Saturday June 4, 10:00 AM until 4:00 PM, at the Concord Police Academy at the end of Academy Rd. off Alberta Way in Concord.

W6ZHY

Modern technology: An American company announces an invention; the Russians claim they made the same discovery 20 years earlier; the Japanese start exporting it.

THE BASE STATION

YOUR CONTRA COSTA HAM HEADQUARTERS

CARRYING

TUNERS, KEYERS, BOOKS

TRANCEIVERS ANTENNAS

TRANSMITTERS RECEIVERS

AND ALL SORTS OF ACCESSORIES

The Base Station
2101 Pacheco St. Concord, CA 94520
(415) 685-7388

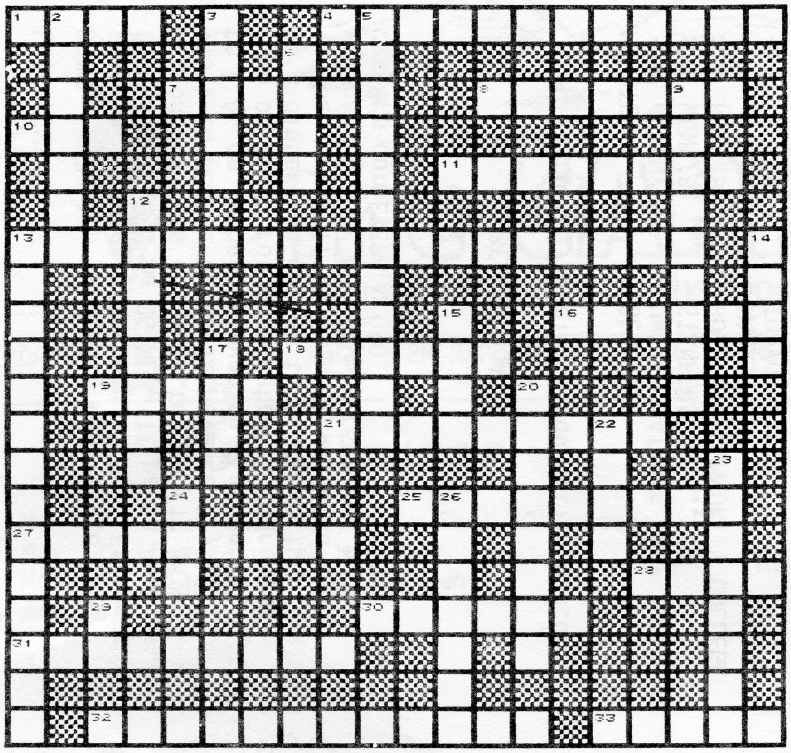
RACES

SPECIAL UNIT OF RACES BEING FORMED TO AID COUNTY SHERIFF.

The COCO County Sheriff's Reserve program has begun recruiting for RACES members to serve the Sheriff's Office in a more direct manner during emergencies. Those RACES members selected will receive special training in Sheriff's Office operations and dispatching procedures. During times of emergency members of these special RACES teams will aid Sheriff's officers by assisting with communications and dispatching. They may also be called upon to help communications technicians keep the County communications system functioning. RACES members who are interested in this aspect of RACES service should contact John Montagh, K6BSN, at 687-2075 Evenings.

THANKS 4C'S COMMUNICATOR

A bachelor is a man who can be miss-led only so far.



ANTENNA CROSSWORD

By ART
VE2AQV

ACROSS CLUES

1. DEVICE USED TO SUPPORT END OF A WIRE ANTENNA
4. GROUP OF WIRES MOUNTED CLOSE TO THE GROUND AT THE BASE OF A VERTICAL ANTENNA
7. HORIZONTAL ANTENNA, CENTER FED
8. DIAMOND SHAPED ANTENNA WHICH HAS ELEMENTS GREATER THAN ONE WAVE-LENGTH
10. HORIZONTAL ANTENNA WITH ITS CENTER ANGLE LESS THAN 180 DEG.
11. THE ELEMENT TO WHICH THE FEEDLINE IS ATTACHED
13. SATELLITE RECEIVING ANTENNA (TWO WORDS)
16. WIRE ANTENNA CONNECTED BETWEEN A HIGH POINT AND A LOW POINT
18. THE RADIATING ELEMENT
19. ANTENNA SUPPORT STRUCTURE
21. THE SIZE OF THE MAJOR LOBE OF A DIRECTIVE ARRAY
25. THE OHMIC VALUE OF AN ANTENNA FEEDPOINT
27. THAT WHICH PERMITS CURRENT TO TRAVEL ALONG ITS LENGTH
28. A HAIRPIN MATCH
30. DEVICE USED TO SUPPORT GUY WIRE AT THE GROUND
31. LOCATED BEHIND THE DRIVEN ELEMENT
32. HORIZONTAL, VERTICAL, CIRCULAR
33. DIRECTION AT WHICH THE ENERGY LEAVES THE ANTENNA

DOWN CLUES

2. DEVICE USED TO INTERCEPT SIGNALS FROM THE ETHER
3. CIRCULAR POLARIZED ANTENNA
5. LADDER LINE (3 WORDS)
6. TRANSMISSION LINE
9. IMAGINARY ANTENNA IN FREE SPACE
12. REFERENCE GUIDE FOR ANTENNA DATA
13. DIRECTIVE ANTENNA WITH INDEPENDENT ELEMENTS NOT CONNECTED TO THE DRIVEN ELEMENT
14. CONDUCTOR USED FOR A DIPOLE
15. DIRECTIONAL ANTENNA
17. HALFWAVE WIRE ANTENNA THAT OPERATES AT IT'S FUNDAMENTAL OR HARMONIC FED AT THE CENTER OR END
20. A CONDUCTOR PLACED IN FRONT OF A DRIVEN ELEMENT TO CAUSE DIRECTIVITY
22. A COIL USED TO CHANGE THE ELECTRICAL LENGTH OF AN ANTENNA
23. A PERPENDICULAR ANTENNA
24. SUPPORT WIRE
26. ANY TYPE OF VERTICAL ANTENNA OPERATED AGAINST GROUND OR A RADIAL SYSTEM
29. 3 MHZ TO 30 MHZ

SPECIAL
LATE NEWS

DG2ML, Wendelin from DARC Chapter 26 May visit us Tuesday afternoon 17 May. At press time DJØQN told me DG1ML will be in Anaheim, CA. on business and will try to fit in a visit to MDARC. He would have to fly back to L.A. on Wednesday evening. Listen to 7.06 or 7.735 for more details. There may be a dinner and outing to San Francisco in the works! If we do meet Wendelin and you can join us bring your QSL card to confirm our EYEBALL QSO.

WA6GON

BEACON BOARD

Northern California DX Foundation beacons at 14.100 MHZ:

MINUTES		SEQUENCE
:00	4U1UN/B	UNITED NATIONS, N.Y.
:01	W6WX/B	STANFORD UNIV., CA
:02	KH6O/B	HONOLULU COMMUNITY COLLEGE HAWAII
:03	JA2IGY	TOKYO, JAPAN
:04	4X6TU/B	TEL AVIV, UNIV., ISRAEL
:05	OH2B	ESPOO, FINLAND
:06	CT3B	MADEIRA, ISLANDS
:07	ZS6DN/B	TRANSVAAL, SOUTH AFRICA

POWER LEVELS

QST de	/BEACON	
.	100 WATTS	(9 sec. dash)
..	10 WATTS	
....	1 WATTS	
.....	.1 WATTS	

SK /B 100 WATTS TIME: 58 SEC.

REPORTS AND INFORMATION TO
NORTHERN CAL. DX FOUNDATION
BOX 2368
STANFORD UNIVERSITY, CA 94305

miscellaneous

From:
Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523

Affiliated with the ARRL
Affiliated with the American Red Cross

DK6EE

ANNEE MONDIALE DES COMMUNICATIONS
WORLD COMMUNICATIONS YEAR
AÑO MUNDIAL DE LAS COMUNICACIONES
1983

OAKLAND, CALIF. MAY 25 5 PM

USA 20c

FIRST CLASS MAIL

[redacted]

S.E.T. BY CONTRA COSTA COUNTY OFFICE OF EMERGENCY SERVICES SCHEDULED FOR MAY 19TH. COCO RACES NEEDED FOR TEST.

The Contra Costa County OES is planning a countywide test of emergency preparedness to be carried out in several phases. Field operations will be conducted on May 19th. At that time participation of ALL enrolled RACES members will be needed to ensure successful completion of the test.

Please plan now to take part, if you hold a RACES card from the county. Further details will be made available as they are known to us.